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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/027,632

DATE: 05/13/2002 P.5
TIME: 11:43:49

H6

Input Set : D:\108827-129.ST25.txt

Output Set: N:\CRF3\05102002\J027632.raw

4 <110> APPLICANT: Wang, David G.
6 <120> TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
7 Polymorphisms in the Human Genome
9 <130> FILE REFERENCE: 108827.129
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/027,632
C--> 12 <141> CURRENT FILING DATE: 2002-04-30
14 <150> PRIOR APPLICATION NUMBER: US 60/218,006
15 <151> PRIOR FILING DATE: 2000-07-12
17 <150> PRIOR APPLICATION NUMBER: US 60/198,676
18 <151> PRIOR FILING DATE: 2000-04-20
20 <150> PRIOR APPLICATION NUMBER: US 60/193,483
21 <151> PRIOR FILING DATE: 2000-03-29
23 <150> PRIOR APPLICATION NUMBER: US 60/185,218
24 <151> PRIOR FILING DATE: 2000-02-24
26 <150> PRIOR APPLICATION NUMBER: US 60/167,363
27 <151> PRIOR FILING DATE: 1999-11-23
29 <150> PRIOR APPLICATION NUMBER: US 60/156,358
30 <151> PRIOR FILING DATE: 1999-09-28
32 <150> PRIOR APPLICATION NUMBER: US 60/146,002
33 <151> PRIOR FILING DATE: 1999-08-09
35 <160> NUMBER OF SEQ ID NOS: 325720
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40 <211> LENGTH: 529
41 <212> TYPE: DNA
42 <213> ORGANISM: Human
44 <400> SEQUENCE: 1
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46 tctttataact tttattttatt cccaaatttt tcttaagcaa atatttcttt gctaatacaat 120
47 aaattatcaaa aagaaaaaaa aactgaaagc aacgcctgaa aaaaggaag tttagccttat 180
48 cgggtatatt ttggaagttg taaaataacta crtgttctct tctaaagtcoc actcctctgt 240
49 tttctttgag caggaaagag aaagcagtcac cctctctctc catgacaaca acccatgacc 300
50 ggctgcttgc ctgctccatc acaggaaggt gcagcagagc ccttttcttc ccagggttgt 360
51 gggcaccttg aactatcctg gcttgcctag taagaaaactg cccaagtgga cgcacaactca 420
52 agctgttcgg ggaattccag aataaaccaa accagctgta ttactggtct ttgacatcct 480
53 ctctgggtcag ggccaagtca ctgtccctgt cttggagagg gcttctgag 529
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 557
57 <212> TYPE: DNA
58 <213> ORGANISM: Human
60 <400> SEQUENCE: 2
61 ttctcttgca atccoccttt tctttagat atgaggcctg gactgggcaa ggaagctctt 60
62 gtctgggctg tcaataggac aggtattttg ttgttgacat ctaccctcac ctcttacact 120

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63 caagctgcgg atactgcaga ctttggttaa agtgggcttc tccctccccc tccattaatg 180
64 attctcacct ggcagcacag attttgcacc tatgctgcc tgtggtgca gacgcccctc 240
65 accctgcacca ctcataggtt agcaactgga gcaggtcaag cccaggctgg gccctggggt 300
66 gcccatggaa agcccaggga gaaatattgc cactgtcccc gttatccccc aytggtctgc 360
67 acaagggtcta accagctcaa ccccactcgg attctatggt cttagagggt ttctgtctat 420
68 cagtgttatt attgtcccat gaatgactga gaagccatag tgattttaga gtctctaaaa 480
69 agagggtgagt acagtcgttc ttaggaaaga gctctgctgt caatcatcct accatccaag 540
70 gattactgtc tgtagta
72 <210> SEQ ID NO: 3
73 <211> LENGTH: 572
74 <212> TYPE: DNA
75 <213> ORGANISM: Human
77 <400> SEQUENCE: 3
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79 ggagtggttt tcttgaggagt gtgactgttt ctcttccatg agcctgatgt cctactgtct 120
80 gaggtggaa ggaagccattg aaataggcct gtgggtggct agccagacc ttcctggag 180
81 ccacaggggt gacagaagtg ggaagctctgc tgcggttcag ggcagctgag ctggcagggt 240
82 ctgggtgtact agggtcacac ttgttgctg cccctggggt actctgaagt ttctgcaaca 300
83 ggtttctgagt tctggaagca ttgtgtacac caygagaagt tccaatgttg tgaggagacc 360
84 ctggctggag aggtcctgta aaaaattctc ccgcagaatg ggtactgcca ttttcacaag 420
85 gccggttttc aggcagctct gacaatgggt ggaaggtctgc gctcctgacc atgagtttct 480
86 gaatggctgg acagagctgc ttctcaatgg ggggtgagtg tctctgggt tctcatagg 540
87 acagggagcg tacaaccccc tgctaattg ga
89 <210> SEQ ID NO: 4
90 <211> LENGTH: 576
91 <212> TYPE: DNA
92 <213> ORGANISM: Human
94 <220> FEATURE:
95 <221> NAME/KEY: misc_feature
96 <222> LOCATION: (1)...(576)
97 <223> OTHER INFORMATION: n = A,T,C or G
99 <400> SEQUENCE: 4
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101 aatcctgaga ttaattotta ttcttctcta ctaatatgtt gttttcttaa agcaagggtg 120
102 agctacacca aattttggtg gcgttattct ctttcaataag caagatggga ccaggtctct 180
103 aaccacaactc tatggaga gggagaactg tcttccagtg gccatagttt catacgtggc 240
W--> 104 tcccancgce ctgcccacgc tgacctctgc catattceca ctctgagcca gggccctgtg 300
105 cccctacagcg attggcctgt gtgcccctgc aacttcacca ggctgactgg aagcagccca 360
106 gtaayacac agttctcact gtctggagtg gtgactcaagt cactcttggc aacctctact 420
107 ctgtttccwt aaggctcaaa gagctcttca tatgaacctt gttgaacaag gactcaagga 480
108 gcttctcacc cagtgcatg gctacgagat agaacacgga aaccaggctc actcacagag 540
109 cagcttgag gtttttaatt caacttaac attctc
111 <210> SEQ ID NO: 5
112 <211> LENGTH: 576
113 <212> TYPE: DNA
114 <213> ORGANISM: Human
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (1)...(576)

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119 <223> OTHER INFORMATION: n = A,T,C or G
121 <400> SEQUENCE: 5
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123 aatcctcgaga ttaattctta ttcttctcta ctaaatattg gctttcttaa agcaagggtg 120
124 agctacaccca aattttggtg gcgttattct ctttcataag caagatggga ccagggtctc 180
125 aaccaaacctc tatggagaaa gggagaactg tccttcacgt gccatagttt catacgtggc 240
W--> 126 tccancagcc ctgcccgaag tgacctctgc catattccca ctctgagcca gggcctgtg 300
127 cccacacagg attggcctgt gtgccccctc aacttcacca ggctgactgg aagcagccca 360
128 gtaaaayacac agttctcact gtctggagtg gtgaactcgt cactcttggc aacatctact 420
129 ctgttttcwt aaggctcaaa gagctcttca tatgaacctt gtgaaacaag gactcaagga 480
130 gctttctacc cagctgcagt gctacgagat agaacacgga aaccaggctc actcacagac 540
131 cagcttgagag gttttaattc caactaaac attctc
133 <210> SEQ ID NO: 6 576
134 <211> LENGTH: 572
135 <212> TYPE: DNA
136 <213> ORGANISM: Human
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <222> LOCATION: (1)...(572)
141 <223> OTHER INFORMATION: n = A,T,C or G
143 <400> SEQUENCE: 6
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145 aatggcggtc caacaaaaag ggcataccca agaggagagt tctcatggac tgtcctctcc 120
W--> 146 gggtcaaggc acgcaaacac aagaaggaga ccttttccca cctctggtgt nngtgcattg 180
147 cagacaaaac tctaccactc gacagccata gaattccagc acacagggtc ttgagagtag 240
148 ccttagaaac tagccagccc ttcactggca gacaaggcaa ctgaggccca gagaagcaag 300
149 gcggctgtgc aaagaccacc agtagttatt aaatcacagc ctttaagcaa caactgacat 360
150 aatctaataa caaaggagat ggcttcaaag acagggtcaag gttgttacac gagagaaaa 420
151 taccagatca ttgtgaggct agaaggctcc tgggaggctg gagaagaagc tcatgtgggt 480
152 gggacccttg tagggtcact caccacaaag attcatgcag atgcagattt caagcccttc 540
153 cctgctttgc tgtgccctca agataccogt ga
155 <210> SEQ ID NO: 7 572
156 <211> LENGTH: 582
157 <212> TYPE: DNA
158 <213> ORGANISM: Human
160 <400> SEQUENCE: 7
161 agatggtgga agcatgtgca aggtatcttc tgaatgettc tgttttctca gtgccatagc 60
162 aagccctcag agagagttaa gggagggaaa ggggtttta agtataaggg ataagagatg 120
163 gggtgaaaag gccttttcaa gctgtaatgt gcttataaat ccctggggga tctgtttaaa 180
164 atacagatcc tgatttagga agcctagggc agagctagag attctgattt tcaataaggc 240
165 tccaggtaat gcagatgcta ttgttcacat gaccacattt tgagtgcaca atctcttgaa 300
166 cagggtttct caatcttgac acccttgata tttgaactg gatgagtacg tactgtgtcc 360
167 tccacattgt aggatgttta gcaatttacc tggctctcac ccaactgatg ccagtagcat 420
168 ccttttccca gttgtgacaa tccaaaaatg tccattccct gtcaaatatc cctctgggaa 480
169 gcaaaattag ccttgggaga agcactgctt tagaaagata tgaaagtaaa tcgattaggg 540
170 aaagttagtc agggcaatgg gcagcacaac agacctactc aa
172 <210> SEQ ID NO: 8 582
173 <211> LENGTH: 597
174 <212> TYPE: DNA

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175 <213> ORGANISM: Human
177 <220> FEATURE:
178 <221> NAME/KEY: misc_feature
179 <222> LOCATION: (1)...(597)
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182 <400> SEQUENCE: 8
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184 cagcgggtgat caagagagga tagaagccca ccttggaggt gatttgattc tattctrttc 120
185 actcggagga ggccgacttg tgccctcagtt gtccaggctg cacttaactt agtatgctca 180
186 accttggtag atactctcaa agtgggggac tgacaaacta aagcagataa gtgaagaaag 240
187 aataatcaaa ttatagaatg aatgaatgtc tcaacattgg gaaccagggt agtagaacgt 300
188 ttgccaaag tagaggtaac aggcctccct ctccaggggg ccaactggag cgtgcacaag 360
189 ttaccacaga gaagattcct gcgctgaagt gagattaaag ctgcccacag ctaagattct 420
190 aggattcttg caaagttgtc acataggttt gggatgctca gagattccag agccggaagt 480
W--> 191 ccagcccgag actgggnagg gatagagaga ggtcaggaaa atcagacag acacagtttc 540
192 agtaccgtat cctccacaca gccaaagtcag actcacctgg gtccagctgc tggctgt 597
194 <210> SEQ ID NO: 9
195 <211> LENGTH: 579
196 <212> TYPE: DNA
197 <213> ORGANISM: Human
199 <400> SEQUENCE: 9
200 aagctttaa cctgtagggt aaaatgatgt tgctgtgcea cgtggtgtgt agtgtacagc 60
201 ctgagggtgg tacaccacgg tctatgctgt catgtggatc ttccagcatg gagcaccctg 120
202 gcttaggagg ttaacaaaca ggagtacgtg catggcattg gagkggggca tgcataagcc 180
203 ggagaaggtt gggaaagtct ggcttaggag acgttattga aaaattccca gagccagcag 240
204 ggtgctgata ttcttgcca atgctcagac atcacagggc tccaaactca gagccggagt 300
205 gagggttggg ttggtgagcc actgcctctt cctgctctta ctccacaga gaagttaact 360
206 gctccttcac tcttcacaa tcatttgaaa aatcccaagt gcactcctct cctgggtgag 420
207 aattagatga cataatgtgt aaaatactgc gtgggacaca ttltggaaaa tggtaacatg 480
208 cataccatcc ttcttttggg attctaactg tggcatgcgg gggccttcag actcatagt 540
209 ataaccocac aggcctctgc gtctatctct cagtaataa 579
211 <210> SEQ ID NO: 10
212 <211> LENGTH: 588
213 <212> TYPE: DNA
214 <213> ORGANISM: Human
216 <220> FEATURE:
217 <221> NAME/KEY: misc_feature
218 <222> LOCATION: (1)...(588)
219 <223> OTHER INFORMATION: n = A,T,C or G
221 <400> SEQUENCE: 10
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223 tctactactt aagtaacttc aagcattcat taggaaaata acatacttag aatcattata 120
224 tttaacacta gtgagttttt ctgctctcat ccaaattaat caaacacaaa tcaagttaaa 180
225 gtacaaagtc caaattagtt attgtgtctt atctcttaca ttatttgggc tcatgtttag 240
226 agagacagat ayyagtttgg aatagctgat ctcatgagtg ggcctctcag cctaatactc 300
227 ttacagaataa gaattctggt ttaaataaag gattaatagc aggcctcaga aacaaacaga 360
228 atctaaataa taacaaaaaa agcaagggca agcaacagtt ttgcaggagg gctattacca 420
229 aagtgcatgc tgatggaaac cacagtttac acaccagaag ttgtctctct ctgtgaaact 480
W--> 230 aatcccaaga ggggtggggt aggacattag cgtagnagc tattggattt cctaattgat 540

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233 <211> LENGTH: 613
234 <212> TYPE: DNA
235 <213> ORGANISM: Human
236 <400> SEQUENCE: 11
237 gggatcctct agagtgcacc tgcaggcatg caagcttgta catgaatgct gataacaatg 60
238 ctgttcacag tagccaagag gtggaacacg yccgtgagtc acccacagat gaatgaacac 120
239 accaagtgtg tccacacaat ggaatgtctt ttcattccatg acatgaagag ggtggcattc 180
240 cggcactggt acaacatgca cagactttga gggcacagaa ggacaaatgc ttagggtctc 240
241 attcatatga aatgcccaga actggcaaac ccatacagac agaagacagc tcagaggctt 300
242 ccaggggctc gggggagggc acacggggag tgagtgtgac gcaattttac gggatctctt 360
243 ttggagacca tggaaacgctt ttggaactag agagtgtgta tgacggcaca acatcgtgag 420
244 cagaatgcca cttaatttgt tccagcaact ttgggaggcc aaggcagggt gatcaactga ggtcaggagt 480
245 acgcctgtaa tccagcaact ttgggaggcc aaggcagggt gatcaactga ggtcaggagt 540
246 tcaagactag cctgggcaac atggtgaaac cctgtctcta ctaaaaatc aaaacttagc 600
247 cgggggtggt gga
248 <210> SEQ ID NO: 12
249 <211> LENGTH: 613
250 <212> TYPE: DNA
251 <213> ORGANISM: Human
252 <400> SEQUENCE: 12
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255 accaagtgtg tccacacaat ggaatgtctt ttcattccatg acatgaagag ggtggcattc 180
256 cggcactggt acaacatgca cagactttga gggcacagaa ggacaaatgc ttagggtctc 240
257 attcatatga aatgcccaga actggcaaac ccatacagac agaagacagc tcagaggctt 300
258 ccaggggctc gggggagggc acacggggag tgagtgtgac gcaattttac gggatctctt 360
259 ttggagacca tggaaacgctt ttggaactag agagtgtgta tgacggcaca acatcgtgag 420
260 cagaatgcca cttaatttgt tccagcaact ttgggaggcc aaggcagggt gatcaactga ggtcaggagt 480
261 acgcctgtaa tccagcaact ttgggaggcc aaggcagggt gatcaactga ggtcaggagt 540
262 tcaagactag cctgggcaac atggtgaaac cctgtctcta ctaaaaatc aaaacttagc 600
263 cgggggtggt gga
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265 <211> LENGTH: 578
266 <212> TYPE: DNA
267 <213> ORGANISM: Human
268 <400> SEQUENCE: 13
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270 tcatcggagc cttaaagatc cagagagata aagaaccaag gagaaccac cctagaaaaag 120
271 tcaattctta atttcagatg tcaacggata ttctgctagg actaatcata ttctatttct 180
272 gggcacccac aactattatt tgaaaactoc catttacatc taacaccccc acccccgaat 240
273 cctaccacca ttcacgtggt atccagttat atgcagatcc atattttctt aaatttccag 300
274 gatacgtttt tctctgcgat actctaggaa gcaactctta taggaggcat acactaaga 360
275 acttttttac caaaacatgt tttctcttat ttttctagag tctaartttt tccctaaaaa 420
276 aaaaaaactc accctctctt ttaatttttt ggggtttctt tcttagaagt ttatttgact 480
277 tttagcaagt caatatataa caaccatata aggacaaaat tcatctacct gactaagaa 540
278 aagctctgat ccttttccac aggttaacaa aagcagtg
279 <210> SEQ ID NO: 14

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.